

**Project:** Updating the 2003 Statewide Highway Shoreline Protection Program Study

**Project No.:** To be determined

## **BACKGROUND**

**Project Location.** Statewide

**Project Purpose.** To update the 2003 Statewide Highway Shoreline Protection Program Study.

## **SCOPE OF SERVICES**

The scope of work for Ocean/Coastal Engineering, Coastal Management Specialist, Structural Engineering, Geotechnical Engineering, Environmental Engineering, Surveying and Ancient Hawaiian Historical Specialist/Archeologist includes, but not limited to:

- a. Assist the Highways Division with updating the existing 2003 Statewide Highway Shoreline Protection Program Study.
- b. Research the effects of climate change and El Nino weather conditions on our highway shoreline infrastructure during the target year 2035 (short-term), 2050 (mid-term) and 2100 (long-term).
- c. For each of the target year (2035, 2050, and 2100), prepare cost effective mitigation designs with cost estimates.
- d. Prepare priority listing of individual mitigation projects.
- e. Assist the Highways Division with preparing the new study to meet the FHWA's new Asset Management Plan (AMP) requirements, 23 CFR Part 515.
- f. Prepare PowerPoint presentation of the final study for posting on the internet and for presentation to various organizations, elected officials, neighborhood boards, etc.

**TOTAL DESIGN TIME:** 24 months